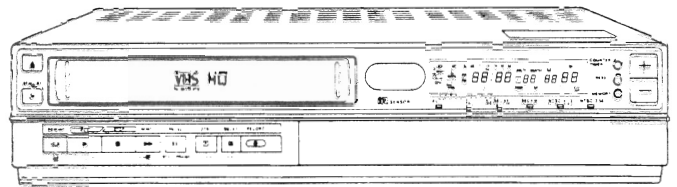


Service  
Service  
Service



# Service Manual

VR6843/57A Is a video cassette recorder with a TV-reception part and electronic timer, suitable for recording and playing back TV-signals, which meet the CCIR-PAL I. standard. The signals are recorded on tape according to the VHS standard.



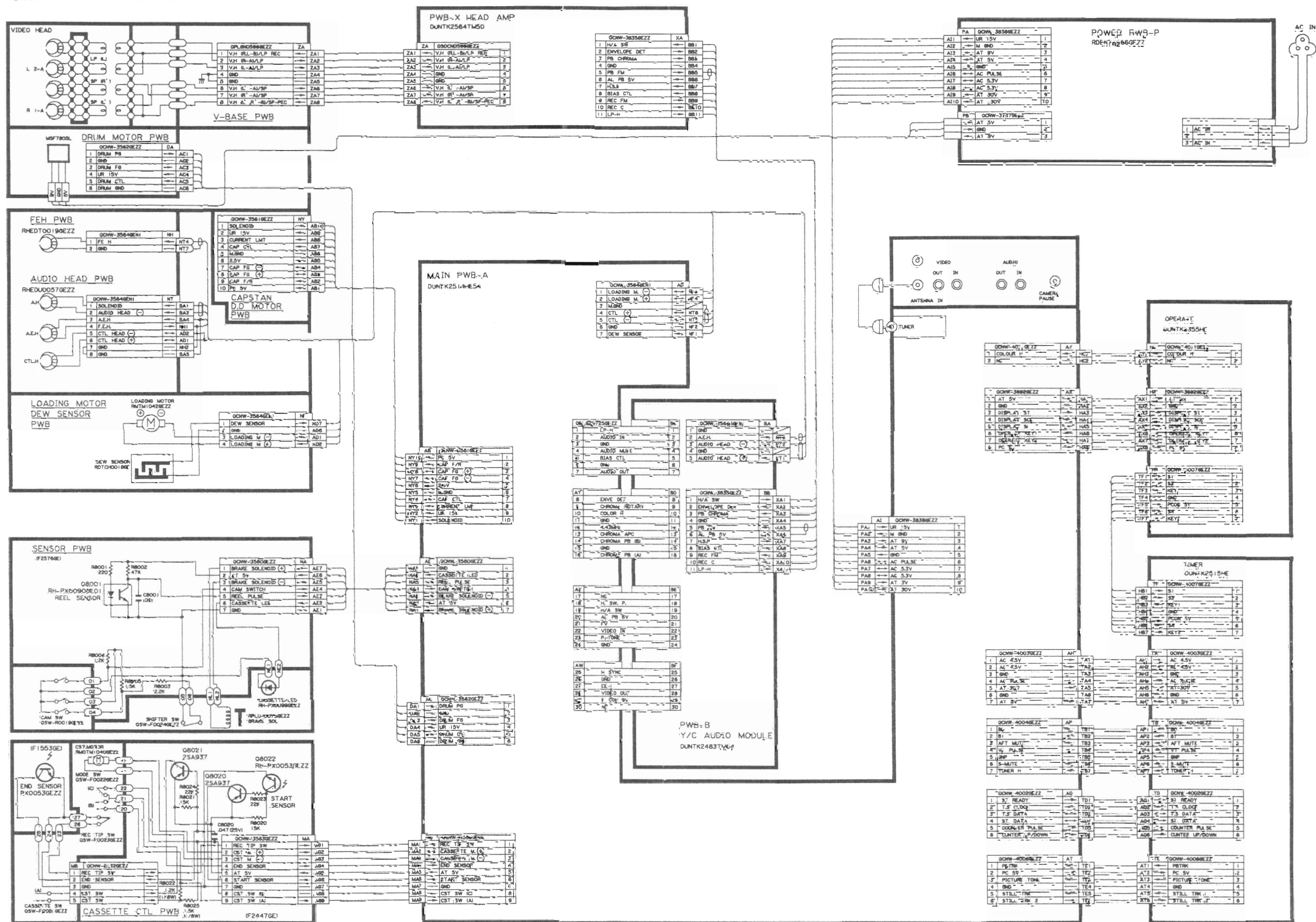
## CONTENTS

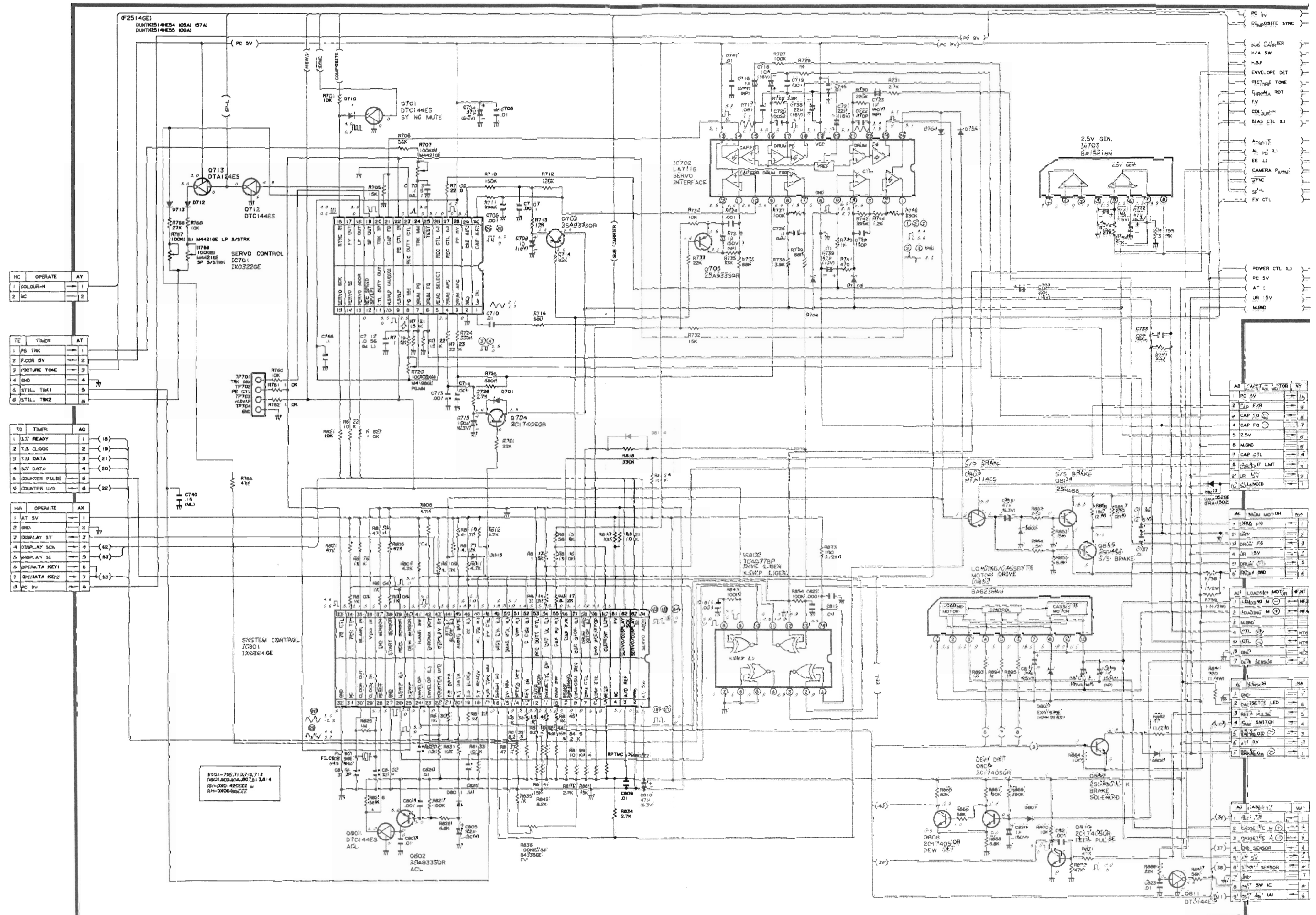
Specification	2
Overall wiring diagram	3
Schematic diagram	4
Parts list	15

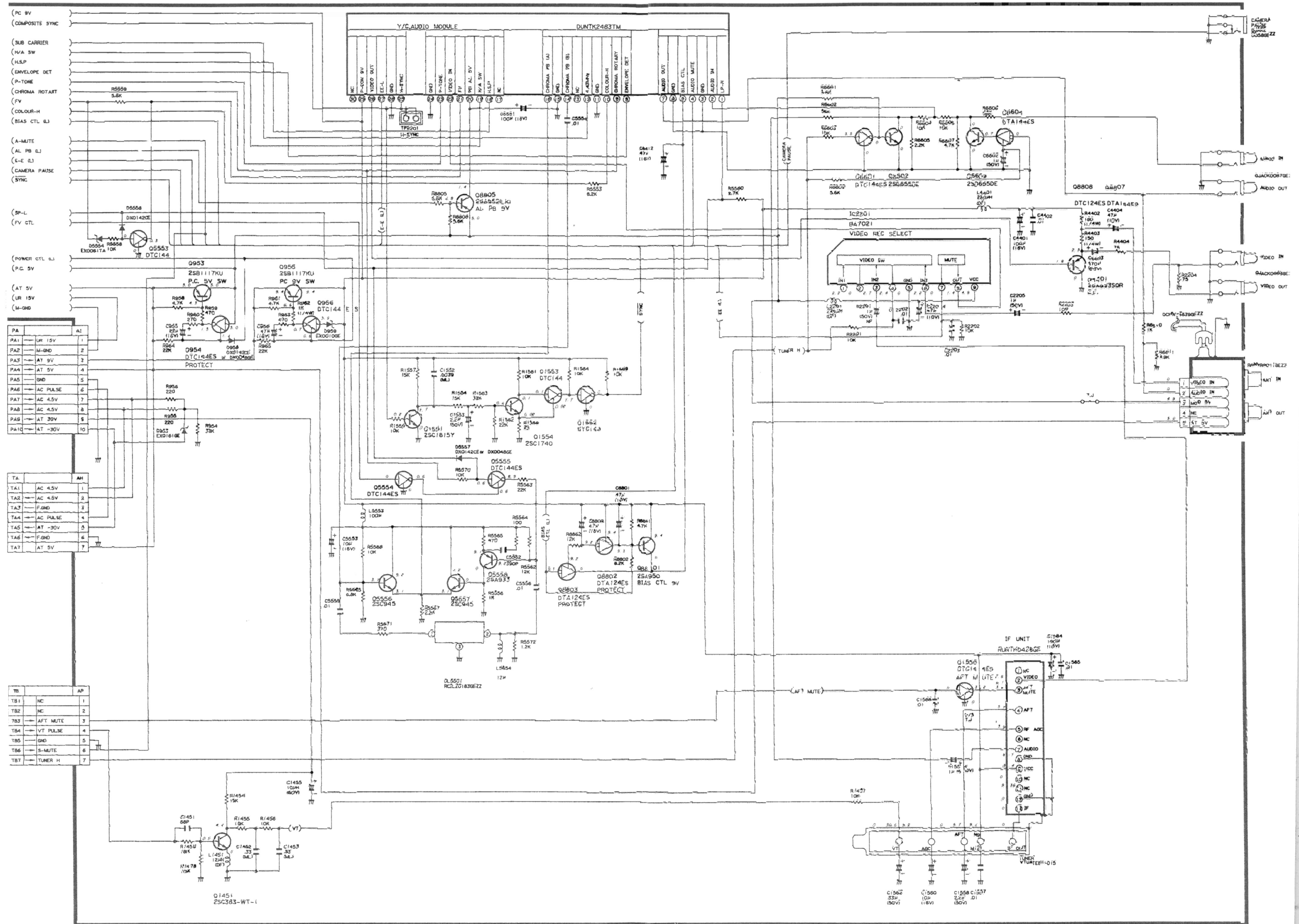
This Service Manual contains the specific VR6843/57A information.

For general information and the adjustments of mechanics and electronic circuitry, see the Service Manual VR6443/75A.

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

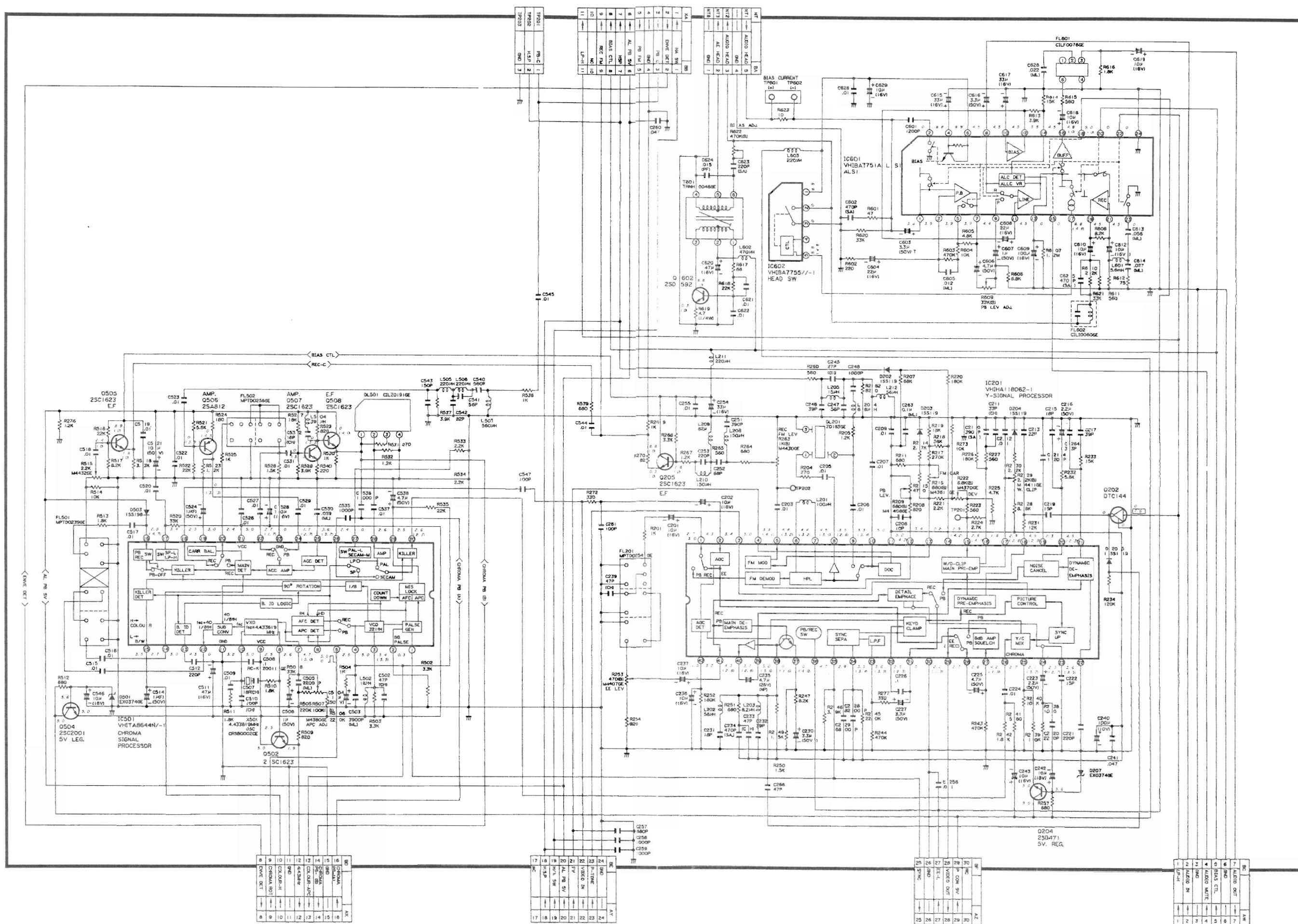


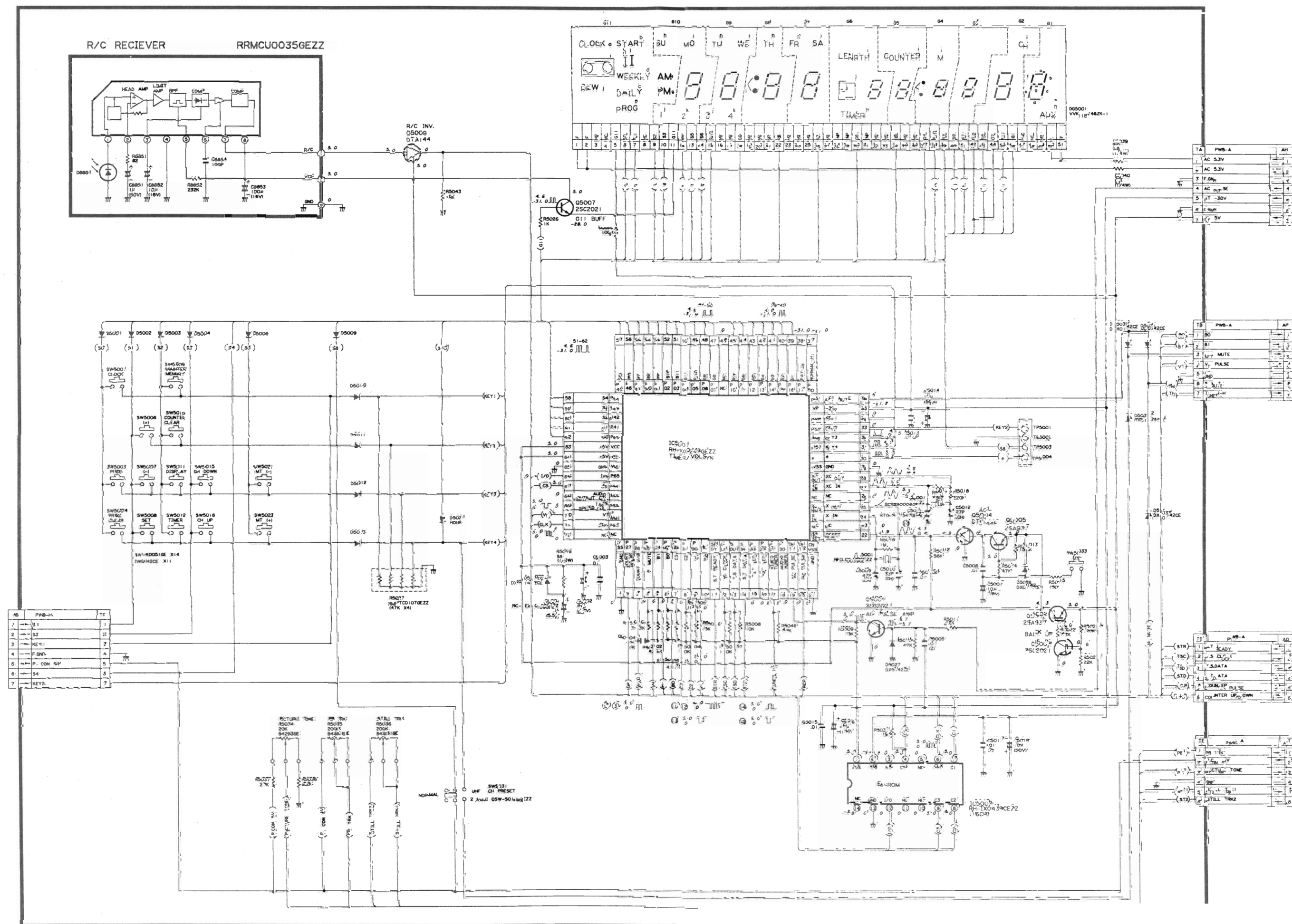




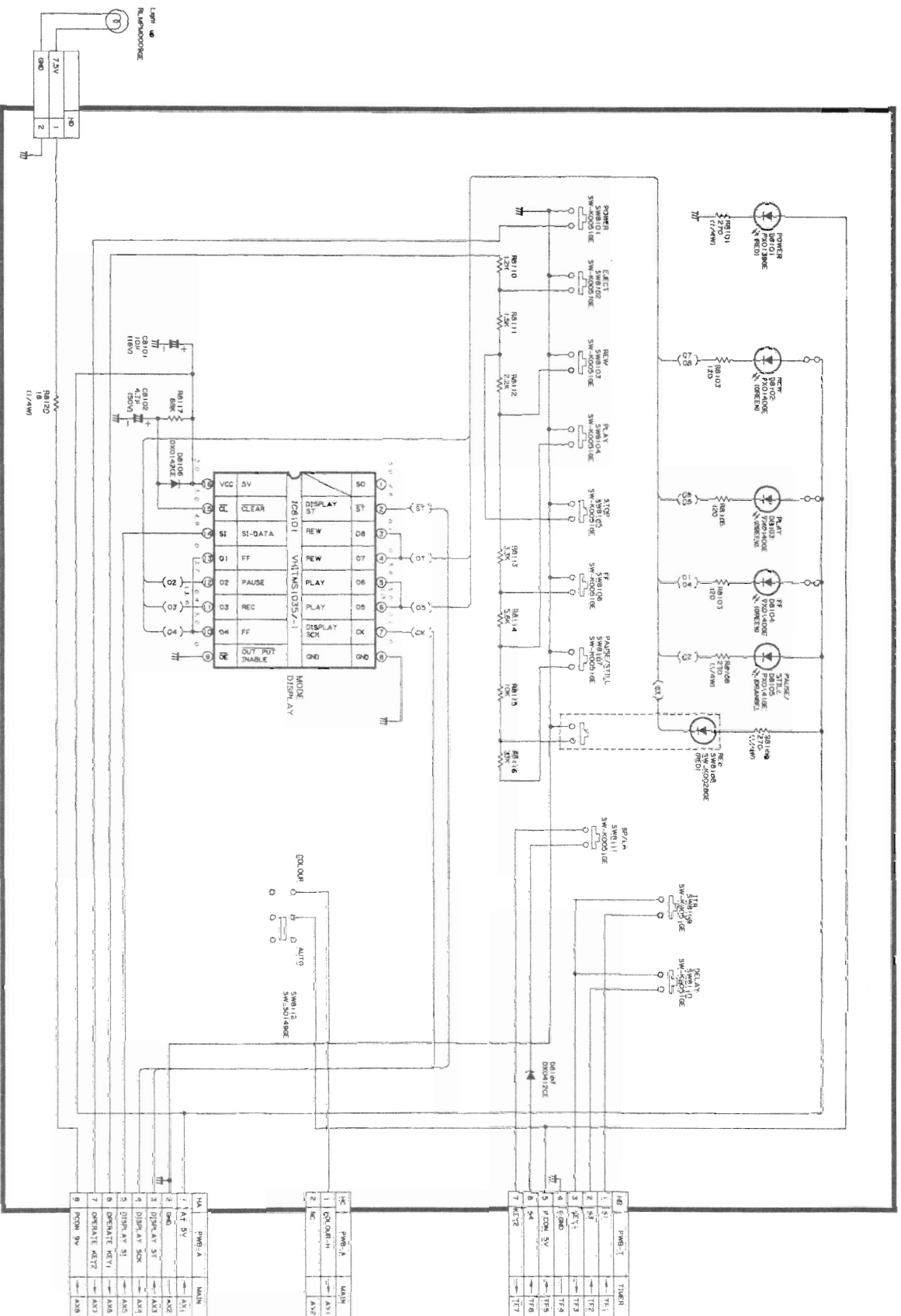


## PWB-C, LUMINANCE, CHROMINANCE, AUDIO SCHEMATIC DIAGRAM

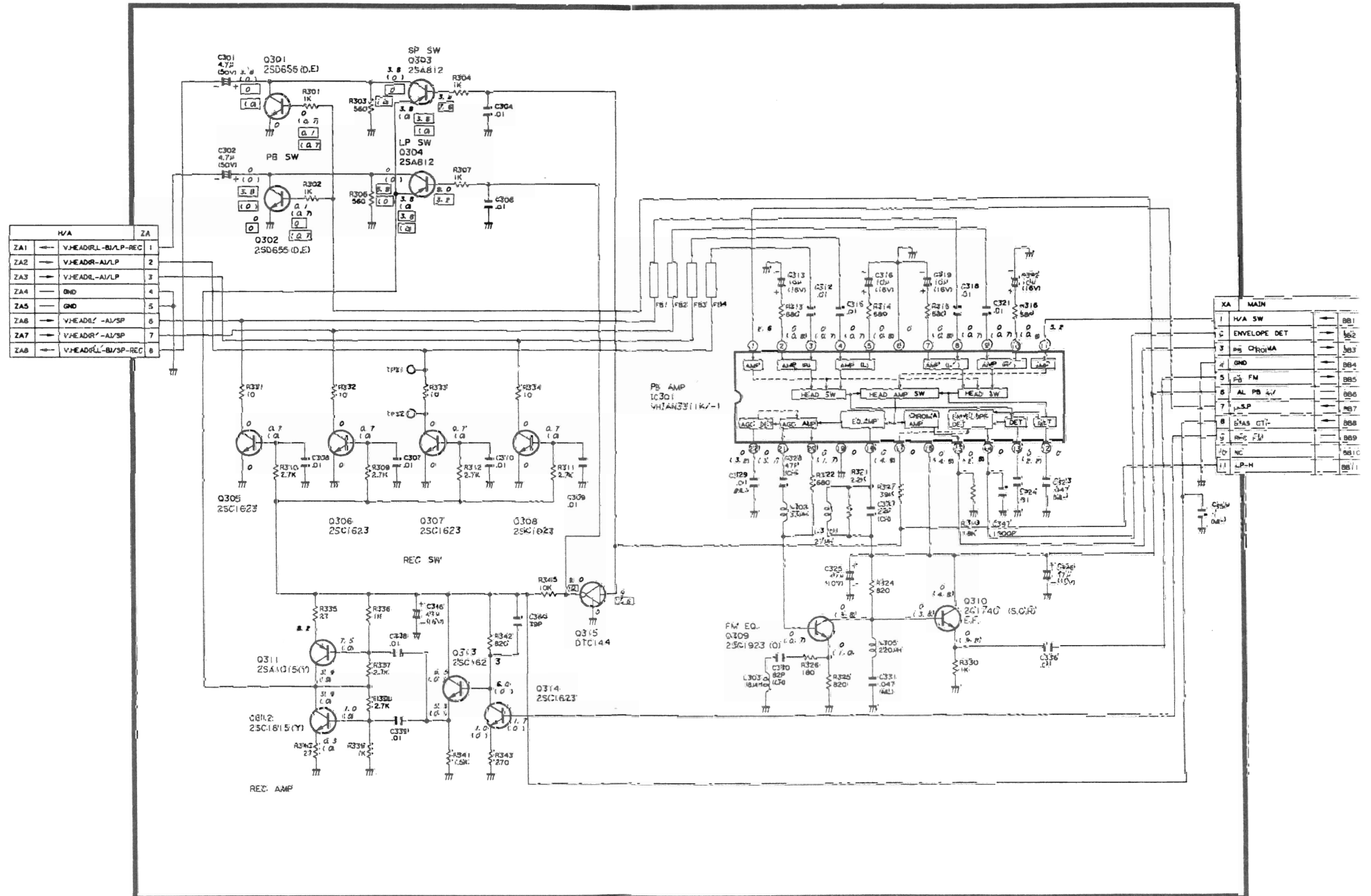




# PWB-4: OPERATION SCHEMATIC DIAGRAM



PWB-X, HEAD AMPLIFIER SCHEMATIC DIAGRAM





## SPECIFICATIONS (VR6843/57A)

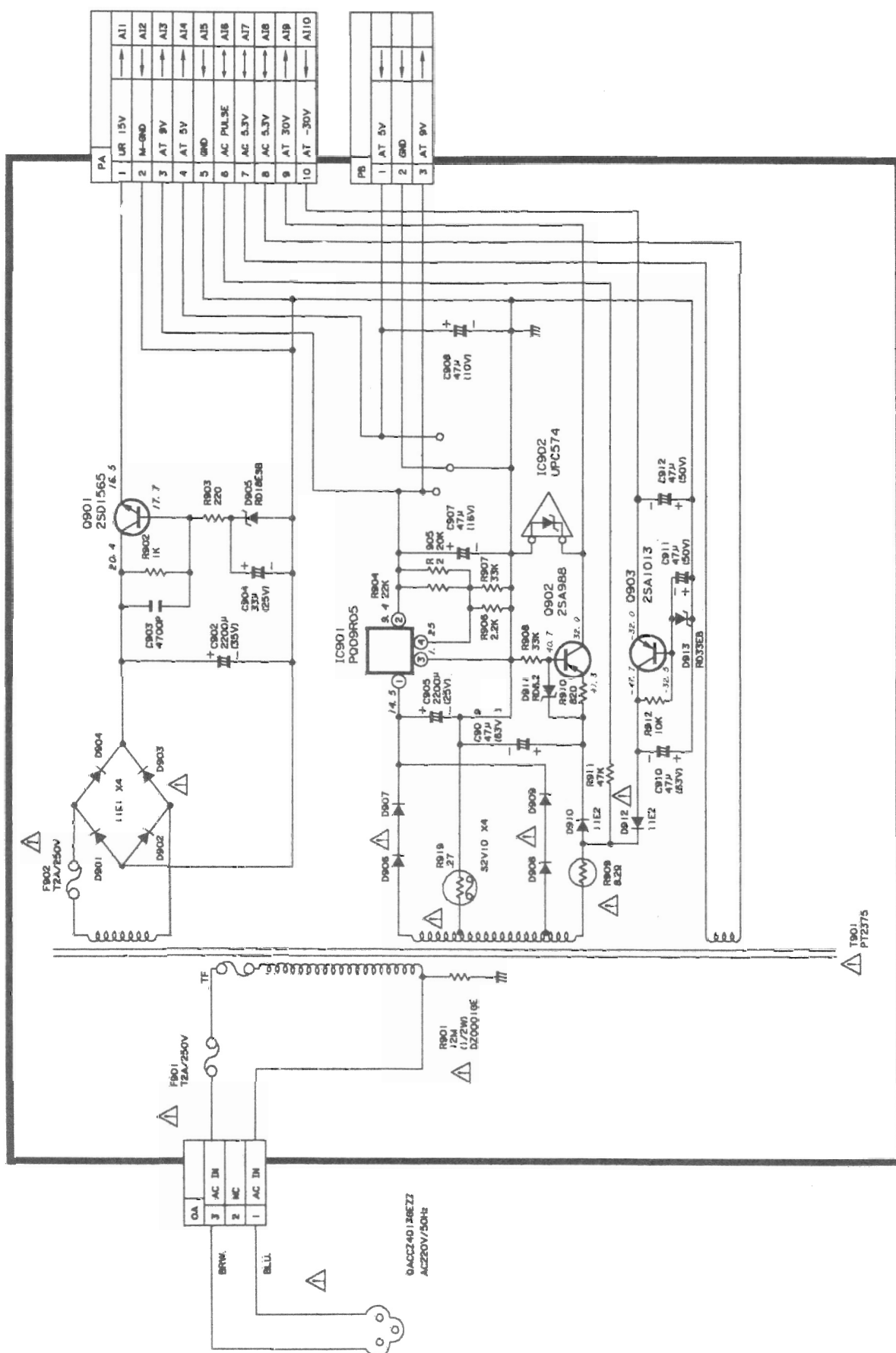
Format:	VHS PAL standard
Video recording system:	Two rotary head helical scan system
Video signal:	PAL colour and B/W signals, 625 lines
Recording playing time:	4 hours max. with E-240 tape (SP Mode)
Tape width:	12.7 mm
Tape speed:	23.39 mm/sec. (SP Mode) 16.70 mm/sec. (LP Mode)
Antenna:	75 ohm unbalanced
Receiving channel:	UHF Channel 21 - 69
RF converter output signal:	UHF Channel 30 ~ 39. Preset to 36 Channel
Power requirement:	AC220V, 50 Hz
Power consumption:	Approx. 32W
Operating temperature:	5°C to 40°C
Storage temperature:	-20°C to 55°C
Weight:	6.5 kg
Dimensions:	430 mm (W) x 358 mm (D) x 93 mm (H)
VIDEO	
Input:	1.0 Vp-p, 75 ohm
Output:	1.0 Vp-p, 75 ohm
AUDIO	0 dB = 0.775 Vrms
Input:	Line: -8 dB, more than 50k ohm
Output:	Line: -5 dB, less than 1k ohm
Accessories included:	Antenna 75 ohm coaxial connector cable (plug provided) Operation Manual Infrared remote control

As part of our policy of continuous improvement, we reserve the right to alter design and specifications without notice.
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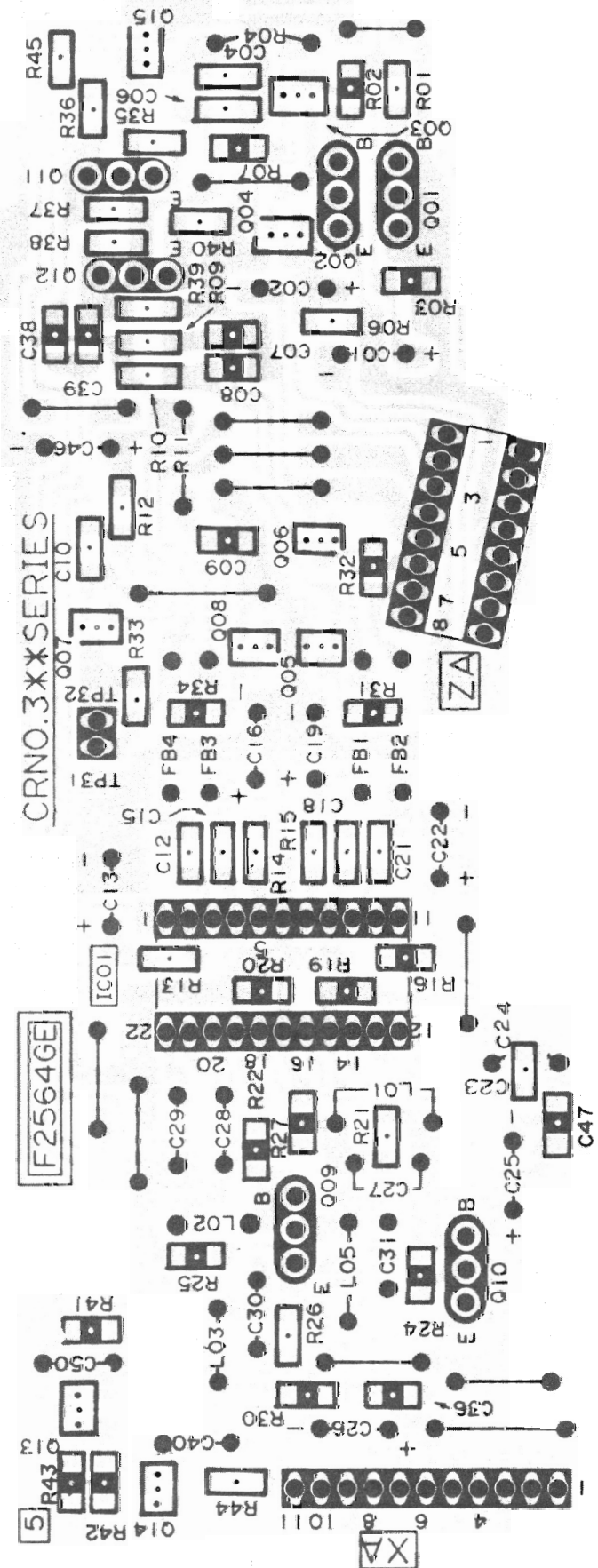
Note: The antenna must correspond to the new standard DIN 45325 (IEC 169-2) for combined UHF/VHF antenna with 75 ohm connector.



### PWB-P, POWER SCHEMATIC DIAGRAM



# PWB-X HEAD AMPLIFIER CIRCUIT





## ■ ADJUSTMENT OF SLOW/STILL CIRCUIT

### Adjustment of SP slow tracking preset

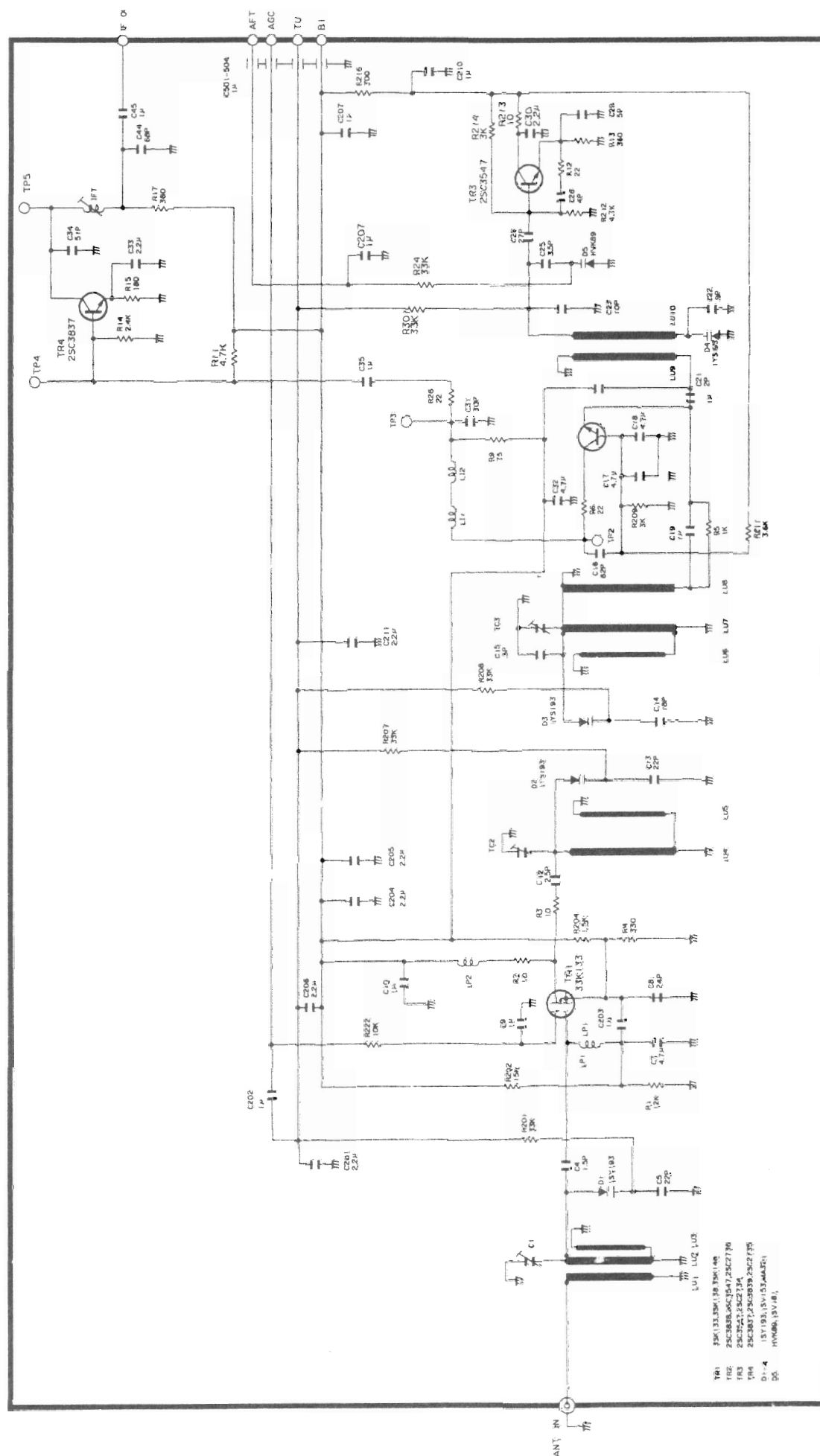
1. Either receive a commercial broadcasting or input the video signal to the video input terminal (the input switch is outside of the unit).
2. Set the recording time switch to the SP mode, record a tape, and play it back.
3. Push the slow speed button of R/C transmitter to playback the recorded tape at a slow speed.
4. Set the slow tracking control to the center position.
5. Observing the monitor screen, adjust the R769 (slow tracking preset (SP)) to the position where the noise bars disappear from the screen.
6. Push the play button to put the unit in the playback mode, and then push the pause/still button to reproduce a still picture. At this time, check to see if any noise does not appear on the screen.

### Adjustment of LP slow tracking preset

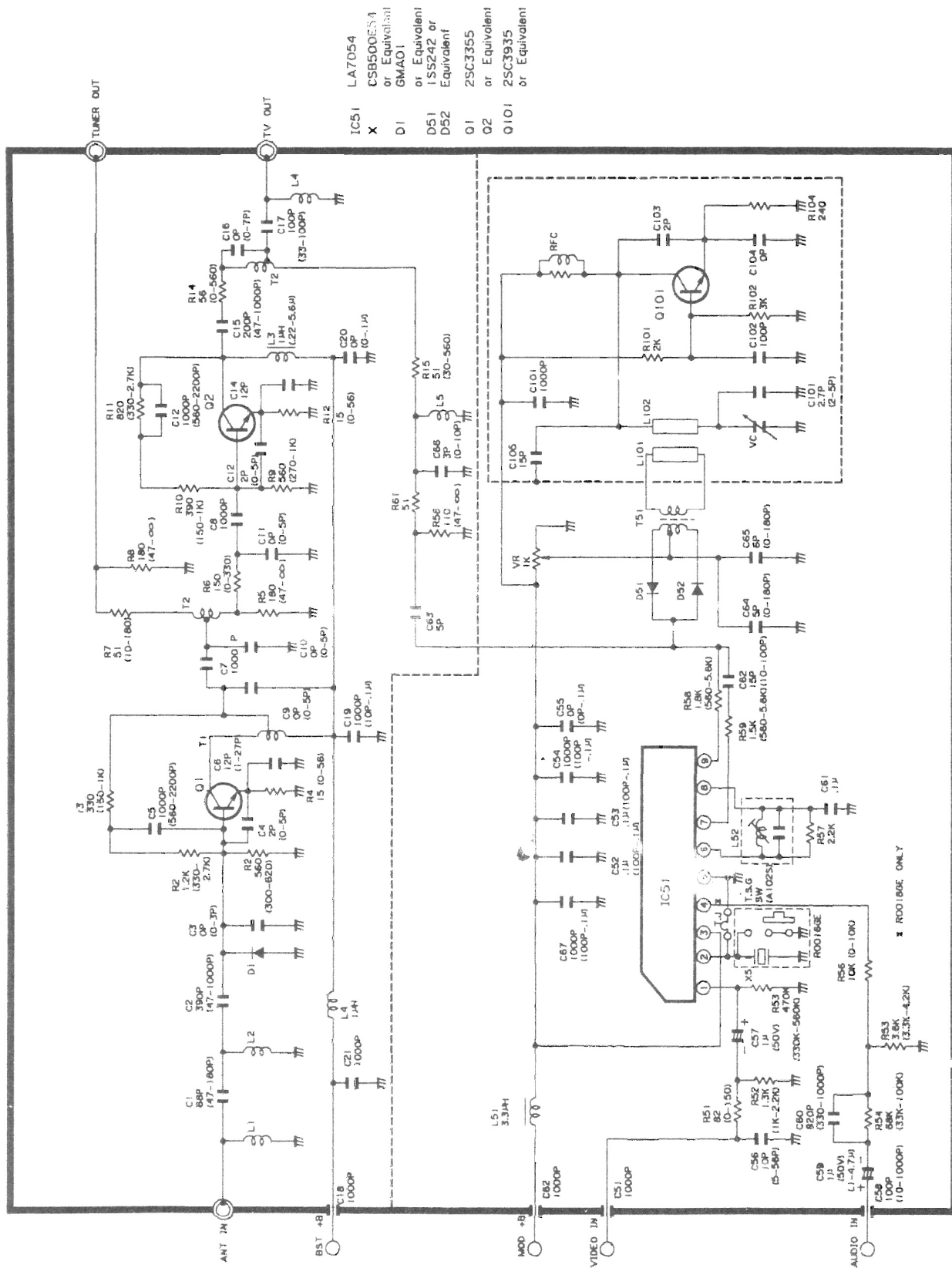
1. Either receive a commercial broadcast or input a video signal to the video input terminal (the input switch is outside of the unit).
2. Set the recording time switch to the LP mode, record a tape, and play it back.
3. Push the slow speed button of R/C transmitter to playback the recorded tape at a slow speed.
4. Set the slow tracking control to the center position.
5. Observing the monitor screen, adjust R767 (slow tracking preset (EP)) to the position where the noise bars disappear from the screen.
6. Push the play button to put the unit in the play mode, and then push the pause/still button to reproduce a still picture. At this time, check to see if any noise does not appear on the screen.

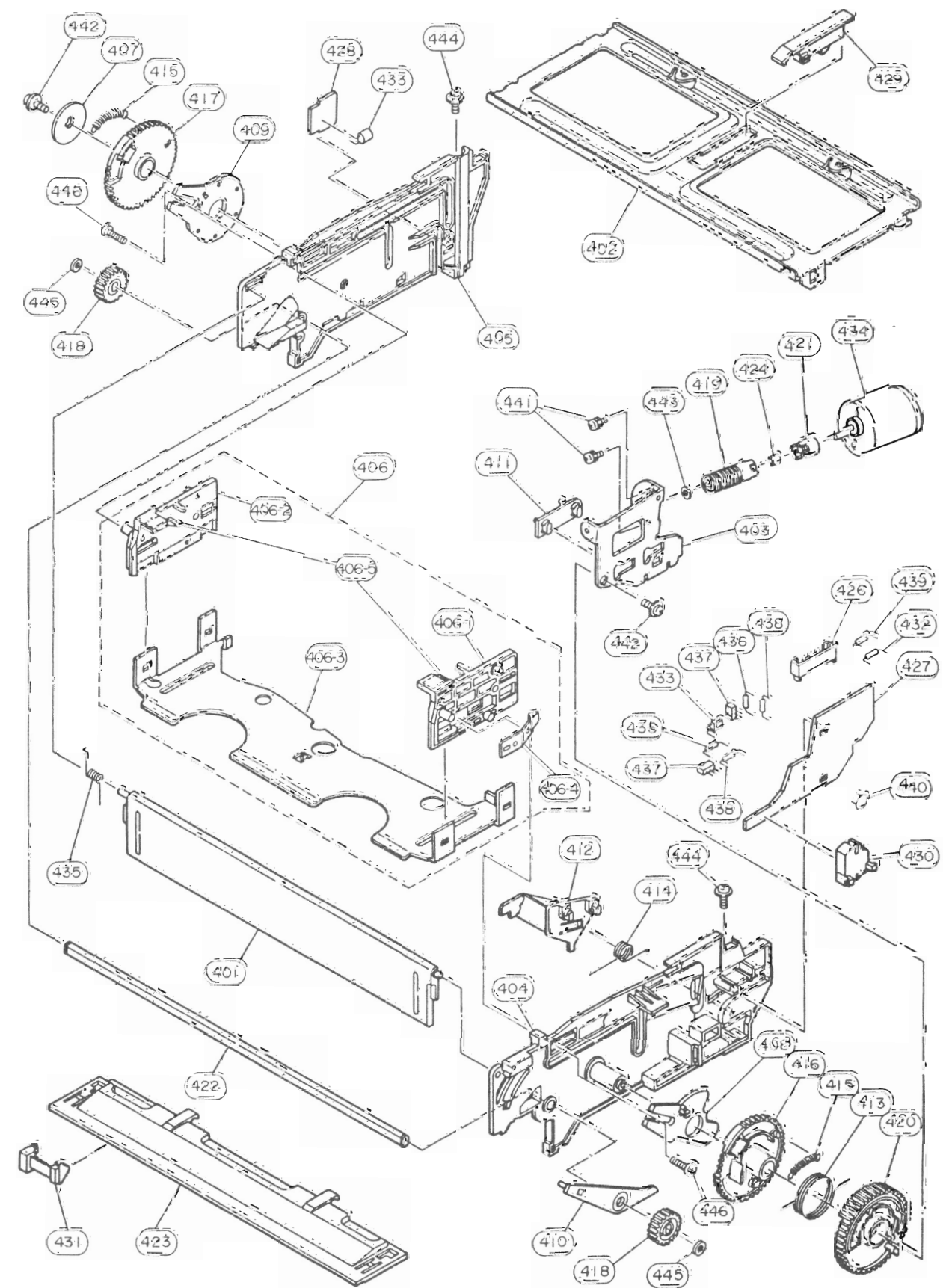
### Adjustment of still picture vertical synchronization

1. Playback a tape in the SP mode.
2. Push the pause/still button to reproduce a still picture.
3. Observing the monitor screen, adjust R836 (adjustment of SP still picture vertical sync. — adjusted from the bottom of the unit) to the position where vertical jitter disappears from the screen.



# R.F. CIRCUIT

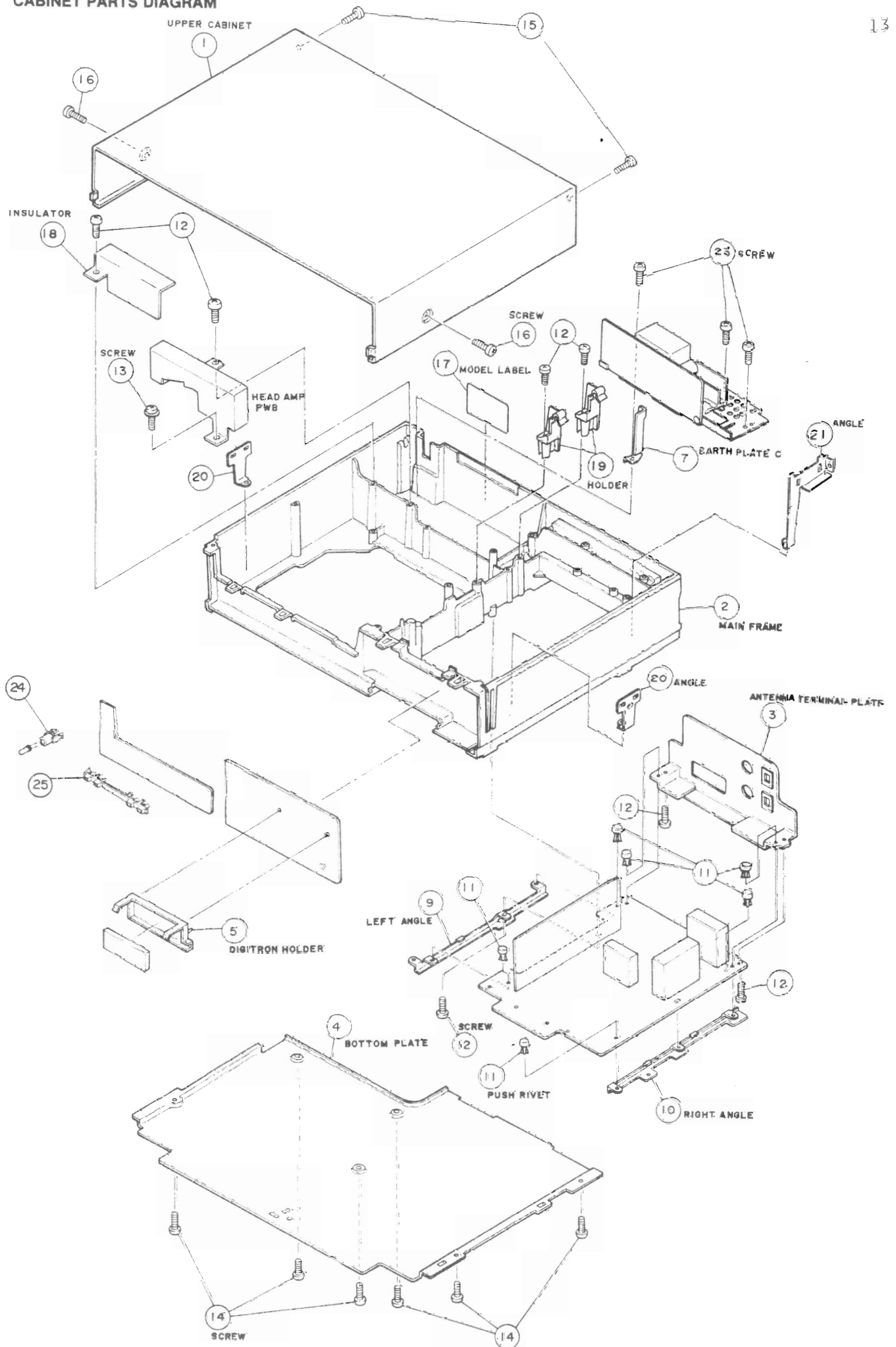




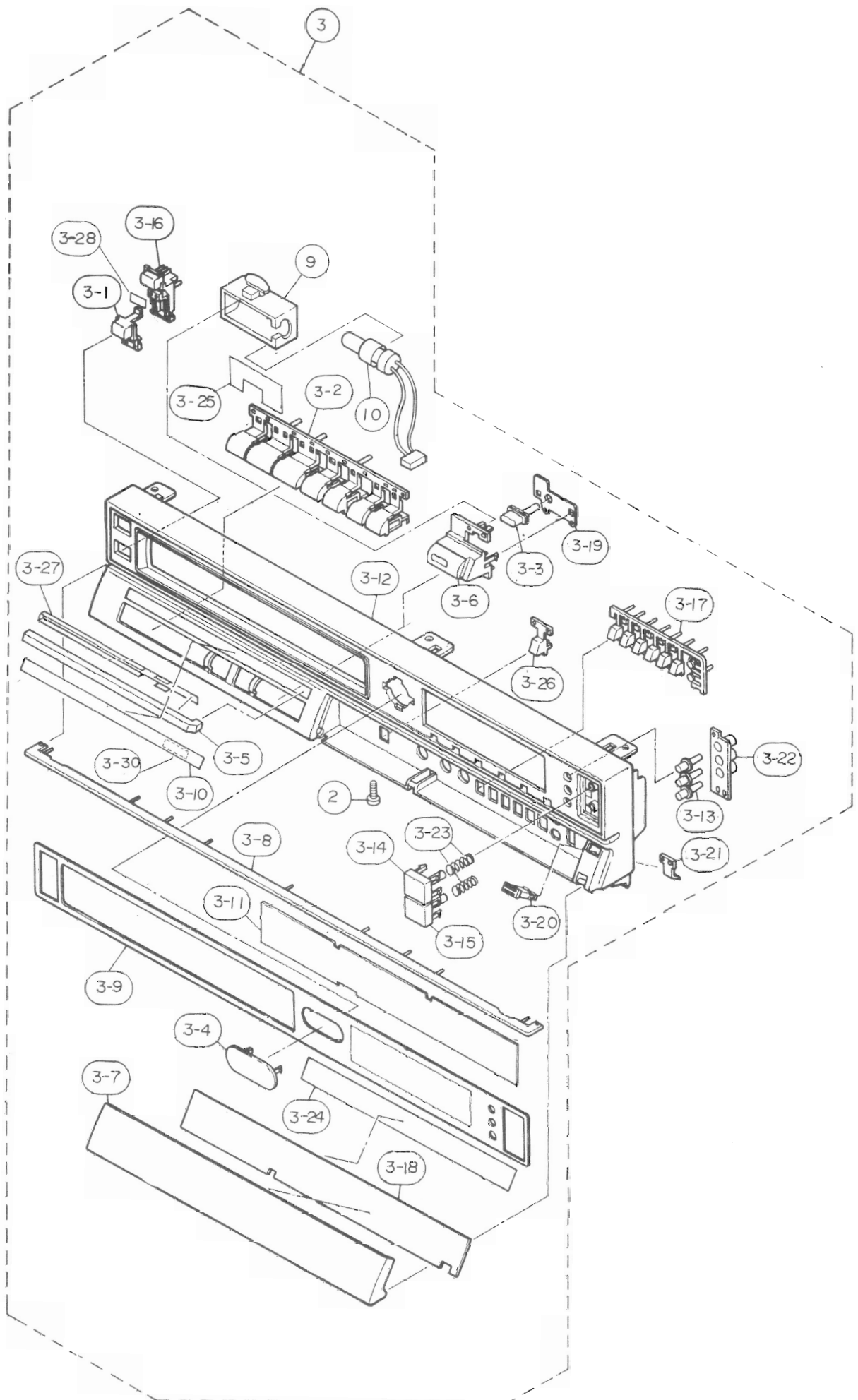


# CABINET PARTS DIAGRAM

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# FRONT-PARTS DIAGRAM



POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>PRINTED WIRING BOARDS ASS'Y</b>			
PWB-A.	MAIN CIRCUIT		DUNTK2514HE54
PWB-B.	Y/C, AUDIO CIRCUIT		DUNTK2483TM64
PWB-H.	OPERATION CIRCUIT		DUNTK2355HE65
PWB-P.	POWER CIRCUIT		RDENT0266GEZZ
PWB-T.	TIMER CIRCUIT		DUNTK2515HE61
PWB-X.	HEAD AMPLIFIER		DUNTK2564TM50

**FRONT PANEL PARTS**

2	SCREW	4822 502 13073	XJBSFOP14000
3	FRONT PANEL ASSY	4822 443 40612	CPNLC1470GE09
8	LAMP HOLDER	4822 443 62234	GCOVA1429GEZZ
9	LAMP	4822 134 80159	RLMPM0009GEZZ
3-1	STANDBY BUTTON	4822 410 25977	CBTN-2076GE01
3-2	MODE BUTTON	4822 410 25978	CBTN-2077GE01
3-3	RECORD BUTTON	4822 410 25979	CBTN-2078GE01
3-4	REMOTE CONTROL COVER	4822 443 62194	GCOVA1413GESA
3-5	MODE COVER	4822 443 62307	CCOVA1414GE01
3-6	RECORD COVER	4822 443 62196	GCOVA1420GESA
3-7	TIMER DOOR	4822 443 62355	GDORF1404GESA
3-8	ACCENT LINE	4822 454 20731	HDECQ0407GESB
3-9	FRONT INDIC. PANEL	4822 454 20719	HINDP1177GESA
3-10	MODE INDIC. PANEL	4822 454 20793	HINDP1231GESB
3-11	TIMER INDIC PANEL	4822 454 20819	HINDP1326GESA
3-13	BUTTON, COUNTER	4822 410 25981	JBTN-2079GESA
3-14	BUTTON, CHANNEL +	4822 410 26267	JBTN-2187GESA
3-15	BUTTON, CHANNEL -	4822 410 26268	JBTN-2188GESA
3-16	BUTTON, EJECT	4822 410 25984	JBTN-2083GESA
3-17	BUTTON, TIMER	4822 410 25985	JBTN-2092GESA
3-18	DOOR ANGLE	4822 403 53227	LANGF9324GEZZ
3-19	REC. BUTTON ANGLE	4822 403 53228	LANGG9065GEFW
3-20	MAGNET	4822 403 53147	LHLDZ1509GEZZ
3-21	MAGNET HOLDER	4822 256 91234	LHLDZ1566GEZZ
3-22	COUNT BUTTON HOLDER	4822 403 53229	LHLDZ1570GEZZ
3-23	CHANN BUTTON SPRING	4822 492 42143	MSPRC0099GEFJ
3-24	TIMER SET LABEL	4822 454 20727	TLABH0351GEZZ
3-25	COVER	4822 443 62199	PCOVU9119GEZZ
3-26	TV/VCR BUTTON	4822 410 26009	JBTN-2082GESA
3-27	LIGHTING SHEET	4822 443 62236	PCOVU9117GEZZ
3-28	TAPE	4822 443 62313	PCOVZ9035GEZZ

**CABINET PARTS**

1	UPPER CABINET	4822 443 30708	GCABA3035GES2
2	MAIN FRAME	4822 443 40549	GCABB1064GEZZ
3	ANTENNA TERMINAL COV	4822 443 62316	GCOVA1447GEZZ
4	BOTTOM PLATE	4822 443 51104	GBDYU3043GEZZ
5	PWB HOLDER, Y/C AUDIO	4822 255 70235	LHLDZ1506GEZZ
7	EARTH PLATE C	4822 403 53321	LANGK0106GEFW
9	LEFT ANGLE	4822 403 53297	LANGF7045GEFW
10	RIGHT ANGLE	4822 403 53298	LANGF7046GEFW
11	PUSH RIVET	4822 532 21044	LX-LZ1001GEZZ
12	SCREW	4822 502 12542	XEBSD30P12000

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
13	SCREW	4822 502 11774	XHPSD30P06WS0
14	SCREW	4822 503 11061	XJBSF30P12000
15	SCREW	4822 502 12985	LX-HZ3030GEFF
16	SCREW	4822 502 12993	LX-HZ3040GEFF
17	MODEL LABEL	4822 454 20843	TLABM1552GEZZ
18	INSULATOR, POWER	4822 325 20186	PZETV0265GEZZ
19	HOLDER	4822 256 91263	LHLD1072GE00
20	ANGLE, UPPER CABINET	4822 403 53299	LANGK0104GEFW
21	ANGLE, UPPER CABINET	4822 403 53301	LANGK0105GEFW
22	LABEL	4822 454 20566	TLABS0052GEZZ
23	SCREW	4822 502 11769	XEBSD40P16000
24	POWER LED HOLDER	4822 255 40802	LHLDP1013GE00
25	MODE LED HOLDER	4822 255 40803	LHLDP1067GEZZ
<b>MISCELLANEOUS</b>			
	OPTICAL REM. CONTROL	4822 218 30413	RRMCG0264GESA
	OPERATION MANUAL	4822 736 51433	TINS-1115GEZZ

**PWB-A MAIN CIRCUIT****TRANSISTORS**

Q 701	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 702	(2SA933SQR)	4822 130 60148	VS2SA933SQR1E
Q 704	(2SC1740SQR)	4822 130 60147	VS2C1740SQR1E
Q 712	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 713	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 801	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 802	(2SA933SQR)	4822 130 60148	VS2SA933SQR1E
Q 803	(DTA114ES)	4822 130 60766	VSDTA114ES/-1
Q 804	(2SD468C)	4822 130 41422	VS2SD468-C/-1
Q 805	(2SD468C)	4822 130 41422	VS2SD468-C/-1
Q 807	(2SC2001LK)	4822 130 60258	VS2SC2001LK-1
Q 808	(2SC1740SQR)	4822 130 60147	VS2C1740SQR1E
Q 809	(2C1740SQR)	4822 130 60147	VS2C1740SQR1E
Q 810	(2SC1740SQR)	4822 130 60147	VS2C1740SQR1E
Q 811	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 953	(2SB1117KU)	4822 130 60151	VS2SB1117KU1E
Q 954	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 955	(2SB1117KU)	4822 130 60151	VS2SB1117KU1E
Q 956	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 959	(2SD471)	4822 130 42319	VS2SD471-KL1E
Q 1451	(2SC383WT)	4822 130 42803	VS2SC383-WT-1
Q 1551	(2SC1815Y)	4822 130 41947	VS2SC1815YW-1
Q 1552	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 1553	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 1554	(2SC1740SQR)	4822 130 60147	VS2C1740SQR1E
Q 1556	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 1590	(2SA733APQ)	4822 130 42271	VS2SA733APQ1E
Q 4401	(2SA933SQR)	4822 130 60148	VS2SA933SQR1E
Q 5553	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 5554	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 5555	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 6601	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 6602	(2SD655DE)	4822 130 41607	VS2SD655-DE1E
Q 6603	(2SD655DE)	4822 130 41607	VS2SD655-DE1E
Q 6604	(DTC144ES)	4822 130 42594	VSDTC144ES/-1
Q 8801	(2SA952K)	4822 130 60149	VS2SA952-K/-1
Q 8802	(DTA124ES)	4822 130 42593	VSDTA124ES/-1
Q 8803	(DTA124ES)	4822 130 42593	VSDTA124ES/-1
Q 8804	(2SA950Y)	4822 130 42278	VS2SA950-Y/1E
Q 8805	(2SA952LK)	4822 130 60149	VS2SA952LK/-1
Q 8807	(DTA144ES)	4822 130 42682	VSDTA144ES/-1
Q 8808	(DTC124ES)	4822 130 42683	VSDTC124ES/-1



POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>INTEGRATED CIRCUITS</b>			
IC 701	SERVO CONTROL	4822 209 72473	RH-IX0322GEZZ
IC 702	SERVO INTERFACE	4822 209 72477	VHILA7116/-1
IC 703	2.5V GEN.	4822 209 72475	VHIBA1521BN-1
IC 801	SYSTEM CONTROL	4822 209 72877	RH-IX0364GEZZ
IC 802	H. SW. P. (L) GEN.	4822 209 72479	VHITC4077BP-1
IC 803	LOADING/CASSETTE MOT	4822 209 72014	VHIBA6238AU1E
IC2201	VIDEO RECORD SELECT	4822 209 72016	VHIBA7021/-1
<b>DIODES</b>			
D 701	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 702	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 703	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 704	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 705	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 710	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 712	(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 713	(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 801	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 802	DIODE(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 803	DIODE (ERA1502)	4822 130 80411	RH-DX0052GEZZ
D 805	DIODE (HZS12EB3)	4822 130 80413	RH-EX0163GEZZ
D 806	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 807	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 813	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 814	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 953	DIODE (HZS12EB1)	4822 130 80414	RH-EX0161GEZZ
D 956	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 959	DIODE (RD5.6EBB2)	4822 130 31919	RH-EX0010GEZZ
D 960	(H2S12EBS)	4822 130 80415	RH-EX0163GEZZ
D 5557	(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5558	(1SS133)	4822 130 31626	RH-DX0142CEZZ
D 6601	(1SS133)	4822 130 31626	RH-DX0142CEZZ
<b>CAPACITORS</b>			
C 715	100UF, 6.3V, ELECTR.	4822 124 40864	VCEAEA0JW107M
C 716	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 723	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 725	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 818	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 819	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 2201	1UF, 50V, ELECTR.	4822 124 41037	VCE9EA1HW105M
C 4401	100UF, 16V, ELECTR.	4822 124 40866	VCEAEA1CW107M
C 4403	470UF, 6.3V, ELECTR.	4822 124 41302	VCEAGA0AW477M
C 5551	100UF, 10V, ELECTR.	4822 124 40865	VCEAEA1AW107M
<b>CONTROLS</b>			
R 707	100K OHM TRACKING MM	4822 100 11225	RVR-M4421GEZZ
R 720	100K OHM PHASE GENER	4822 100 11132	RVR-M4198GEZZ
R 757	100 KOHM LP TRACKING	4822 100 11225	RVR-M4421GEZZ
R 767	100 KOHM EP TRACKING	4822 100 11225	RVR-M4421GEZZ
R 769	100K OHM S/S TRACKIN	4822 100 11225	RVR-M4421GEZZ
R 836	100K OHM FALSE VERTI	4822 100 11189	RVR-B4336GEZZ
<b>COILS AND TRANSFORMERS</b>			
FL 801	FILTER	4822 157 52722	RFILA00039GEZZ
J 5554	12UH (DF)	4822 157 10138	VP-DF120K0000
L 1451	12UH	4822 157 10138	VP-DF120K0000
L 2201	220UH	4822 157 10135	VP-DF221K0000
L 4401	220UH	4822 157 10135	VP-DF221K0000
X 1590	FILTER	4822 242 70972	RFILA00005GEZZ

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>RESISTORS</b>			
R 856	180 OHM, 2W, MET OXI	4822 116 80345	VRS-VV3DB181J
R 857	220 OHM, 2W, MET OXI	4822 116 80346	VRS-VV3DB221J
R 899	4X10KOHM PACKAGE	4822 102 50051	RMPTC0048CEZZ
<b>MISCELLANEOUS</b>			
	RF CONVERTOR	4822 218 30432	RCNVR0011GEZZ
	JACK, VIDEO IN	4822 267 30774	QJAKE0053GEZZ
	JACK, VIDEO OUT	4822 267 30774	QJAKE0053GEZZ
	JACK, CAMEA PAUSE R	4822 267 30744	QJAKE0058GEZZ
	JACK, AUDIO IN	4822 267 30745	QJAKE0067GEZZ
	JACK, AUDIO OUT	4822 267 30745	QJAKE0067GEZZ
AB .	SOCKET (10 PIN)	4822 267 50793	QSOCN1013REZZ
AC .	PLUG (6 PIN)	4822 264 40248	QPLGN0611REZZ
AD .	PLUG (7 PIN)	4822 264 50183	QPLGN0762GE09
AE .	PLUG (7 PIN)	4822 264 50184	QSOCN0713REZZ
AH .	PLUG (7 PIN)	4822 265 51121	QPLGN0778GEZZ
AI .	SOCKET (10 PIN)	4822 267 50794	QSOCN1022REZZ
AP .	PLUG (7 PIN)	4822 265 51121	QPLGN0778GEZZ
AQ .	PLUG (6 PIN)	4822 267 40651	QPLGN0678GEZZ
AT .	PLUG (5 PIN)	4822 265 40498	QPLGN0578GEZZ
AY .	PLUG (2 PIN)	4822 265 30419	QPLGN0278GEZZ
IF UNI	PRINTED BOARD	4822 214 32046	RUNTK0428GEZZ
TUNER.	TUNER	4822 210 10309	VTUATEMB1-015

## P.W.B.-B Y/C, AUDIO CIRCUIT

## TRANSISTORS

Q 202	(2SC144)	4822 130 60146	VS2TC144EK/-1
Q 204	(2SD4711K)	4822 130 43347	V52SD471-K1-1
Q 205	(2SC1623L)	4822 130 42466	V52SC1623L51E
Q 502	(2SC1623L)	4822 130 42466	V52SC1623L51E
Q 504	(2SC2001LK)	4822 130 60258	V52SC2001LK-1
Q 505	(2SC1623L)	4822 130 42466	V52SC1623L51E
Q 506	(2SA812M)	4822 130 42463	V52SA812-M51E
Q 507	(2SC1623L)	4822 130 42466	V52SC1623L51E
Q 508	(2SC1623L)	4822 130 42466	V52SC1623L51E
Q 602	(2SD592AR)	4822 130 60909	V52SD592AR/-1

## INTEGRATED CIRCUITS

IC 201	HA118026NT	4822 209 72476	VH1MA118026NT
IC 501	TA8644N/-1	4822 209 72478	VH1TA8644N/-1
IC 601	BA7751ALG	4822 269 72017	VH1BA7751ALG1
IC 602	BA7755	4822 209 72018	VH1BA7755/-1

## DIODES AND CRYSTAL

D 202	DIODE (1SS119)	4822 130 32416	VHD1SS119/-1
D 203	DIODE (1SS119)	4822 130 32416	VHD1SS119/-1
D 204	DIODE (1SS119)	4822 130 32416	VHD1SS119/-1
D 205	DIODE (1SS119)	4822 130 32416	VHD1SS119/-1
D 207	ZENER DIODE	4822 130 80552	RH-EX0374GEZZ
D 501	ZENER DIODE	4822 130 80552	RH-EX0374GEZZ
D 503	DIODE (1SS198)	4822 130 80585	VHD1SS198/-1
X 501	CRYSTAL	4822 242 70337	RCRSBO002CEZZ

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
CAPACITORS			
C 235	4.7UF, 25V, 20%, ELE	4822 124 22458	VCE9EA1EW475M
C 240	100UF, 10V, ELECTR	4822 124 40865	VCEAE1AW107M
C 263	.1UF, 63V, 5%, MYLAR	4822 121 42333	VCFYSA1JA104J
C 508	.1UF, 25V, CER.	4822 122 33264	RC-KZ0011GEZZ
C 530	0.039UF, 50V POLY	4822 121 51279	VCQYWA1HA393J
C 609	100UF, 16V, ELECT	4822 124 22456	VCEAGA1CW107M
C 624	.015UF, 100V, 5%, PO	4822 121 51032	VCQPKAZAA153J
CONTROLS			
R 209	6800HM, PB, LEVEL	4822 100 11223	RVR-M4409GEZZ
R 216	6800HM FM CARR. ADJ.	4822 100 11221	RVR-M4361GEZZ
R 222	6.8KOHM DEVIATION	4822 100 11192	RVR-M4370GEZZ
R 229	2.2K OHM WHITE CLIP	4822 100 11224	RVR-M4411GEZZ
R 253	470 OHM E-E LEVEL	4822 100 11222	RVR-M4407GEZZ
R 263	1K OHM REC FM LEVEL	4822 100 11238	RVR-M4430GEZZ
R 507	100K OHM APC ADJ.	4822 100 11237	RVR-M4380GEZZ
R 515	OHM	4822 100 11239	RVR-M4432GEZZ
R 609	33K OHM PB LEVEL	4822 100 11226	RVR-M4439GEZZ
R 622	470K OHM BIAS LEVEL	4822 100 11227	RVR-M4446GEZZ
COILS AND TRANSFORMERS			
DL 201	FILTER	4822 158 10741	RCILZ0183GEZZ
DL 501	FILTER	4822 320 40143	RCILZ01910GEZZ
FL 201	FILTER	4822 157 53147	RMPTD0254GEZZ
FL 501	FILTER	4822 157 52771	RMPTD0239GEZZ
FL 502	FILTER	4822 157 53148	RMPTD0256GEZZ
FL 601	FILTER	4822 157 53146	RCILF0076GEZZ
FL 602	FILTER	4822 157 53285	RCILF0060GEZZ
L 201	100UH	4822 157 10141	VP-MK1.01K0000
L 202	56UH	4822 157 10146	VP-DF560K0000
L 203	8.2UH	4822 157 53287	VP-XF8R2K0000
L 204	68UH	4822 157 10271	VP-XF680K0000
L 205	15UH	4822 157 10267	VP-XF150K0000
L 208	150UH	4822 157 10274	VP-XF1.51K0000
L 209	82UH	4822 157 10236	VP-XF820K0000
L 210	150UH	4822 157 10274	VP-XF1.51K0000
L 211	220UH	4822 157 10135	VP-DF221K0000
L 212	56UH	4822 157 10146	VP-DF560K0000
L 502	18UH	4822 157 53286	VP-MK1.80J0000
L 504	39UH	4822 157 10269	VP-XF390K0000
L 505	220UH	4822 157 10276	VP-XF221K0000
L 506	220UH	4822 157 10276	VP-XF221K0000
L 507	560UH	4822 157 10264	VP-MK561K0000
L 508	220UH	4822 157 10135	VP-DF221K0000
L 601	5.6MH	4822 157 10275	VP-YF562J0000
L 602	470UH	4822 157 10244	VP-YF471K0000
L 603	220UH	4822 157 10135	VP-DF221K0000
T 601	BIAS OSC TRANS.	4822 146 21272	RTBNH0046GEZZ
MISCELLANEOUS			
BA .	PLUG 5 PIN	4822 264 40247	QPLGN0562GE09
BB .	PLUG 11PIN	4822 265 51126	QPLGN1178GEZZ
BC .	PLUG 3 PIN	4822 264 40246	QPLGN0329TAZZ
BC .	SOCKET 7 PIN	4822 267 50789	QSOCN0779GEZZ
BD .	SOCKET 9 PIN	4822 267 50792	QSOCN0979GEZZ
BE .	SOCKET 8 PIN	4822 267 50791	QSOCN0879GEZZ
BF .	SOCKET 6 PIN	4822 267 50788	QSOCN0679GEZZ
TP 601	PLUG (TP601, TP601)	4822 265 30331	QPLGN0229TAZZ

## PWB-H OPERATION CIRCUIT

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
INTEGRATED CIRCUIT			

IC8101	TMS1035	4822 209 83528	VHITMS1035/-1
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## DIODES

D 8101	LED	4822 130 80417	RH-PX0139GEZZ
D 8102	LED	4822 130 80418	RH-PX0140GEZZ
D 8103	LED	4822 130 80418	RH-PX0140GEZZ
D 8104	LED	4822 130 80418	RH-PX0140GEZZ
D 8105	LED	4822 130 80419	RH-PX0141GEZZ
D 8106	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ

## MICELLANEOUS

HD	PLUG(2PIN)	4822 265 30419	QPLGN0278GEZZ
SW8101	SWITCH, POWER	4822 276 12265	QSW-K0051GEZZ
SW8102	SWITCH, EJECT	4822 276 12265	QSW-K0051GEZZ
SW8103	SWITCH, REWIND	4822 276 12265	QSW-K0051GEZZ
SW8104	SWITCH, PLAY	4822 276 12265	QSW-K0051GEZZ
SW8105	SWITCH, STOP	4822 276 12265	QSW-K0051GEZZ
SW8106	SWITCH, FAST-FORWARD	4822 276 12265	QSW-K0051GEZZ
SW8107	SWITCH, PAUSE/STILL	4822 276 12265	QSW-K0051GEZZ
SW8108	SWITCH, RECORD	4822 276 12264	QSW-K0028GEZZ
SW8109	SWITCH, ITR	4822 276 12265	QSW-K0051GEZZ
SW8110	SWITCH, DELAY	4822 276 12265	QSW-K0051GEZZ
SW8111	SWITCH SP/LP	4822 276 12265	QSW-K0051GEZZ
SW8112	SWITCH SP/LP	4822 276 12266	QSW-K0149GEZZ

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>TRANSISTORS</b>			
Q 5001	(2SC2021Q)	4822 130 42289	VS2SC2021-Q-1
Q 5002	(2SA937Q)	4822 130 42277	VS2SA937-Q/-1
Q 5003	(2SC2021Q)	4822 130 42289	VS2SC2021-Q-1
Q 5004	(DTC144F)	4822 209 82283	VSDTC144F/-1
Q 5005	(2SA937Q)	4822 130 42277	VS2SA937-Q/-1
Q 5007	(3SC3.32Q)	4822 130 42289	VS2SC2021-Q-1
Q 5009	(DTA144F)	4822 209 82281	VSDTA144F/-1
<b>INTEGRATED CIRCUIT</b>			
IC5001	TIMER/VOLSYN	4822 209 72012	RH-IX0242GEZZ
IC5002	EA-ROM (16CH)	4822 209 83518	RH-IX0439CEZZ
<b>DIODES</b>			
D 5001	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5002	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5003	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5004	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5006	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5009	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5010	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5011	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5012	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5013	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5021	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5022	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5026	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5027	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5028	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5030	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5031	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5032	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
D 5033	DIODE (1SS133)	4822 130 31626	RH-DX0142CEZZ
<b>CONTROLS</b>			
R 5034	20K OHM,POT., PICT	4822 100 11047	RVR-B4293GEZZ
R 5035	200K OHM,POT., PLAYB	4822 100 11045	RVR-B4261GEZZ
R 5036	200K OHM,200K OHM,ST	4822 100 11045	RVR-B4261GEZZ
<b>FILTER</b>			
FL5001	FILTER	4822 157 52722	RFILC0039GEZZ
<b>RESISTOR</b>			
R 5027	PACKAGED CIRCUIT	4822 111 91197	RMPTC0107GEZZ
<b>TRIMMER</b>			
C 5011	OSC. ADJ.	4822 125 50353	RTQ-H1047GEZZ

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>MISCELLANEOUS</b>			
DG5001	DISPLAY	4822 130 10024	VVK11BT46ZK-1
SW5001	SWITCH, CLOCK	4822 276 12265	QSW-K0051GEZZ
SW5003	SWITCH, PROGRAM	4822 276 12265	QSW-K0051GEZZ
SW5004	SWITCH, PROGRAM CLEA	4822 276 12265	QSW-K0051GEZZ
SW5006	SWITCH, (+)	4822 276 12265	QSW-K0051GEZZ
SW5007	SWITCH, (-)	4822 276 12265	QSW-K0051GEZZ
SW5008	SWITCH, SET	4822 276 12265	QSW-K0051GEZZ
SW5009	SWITCH, COUNTER MEMO	4822 276 12265	QSW-K0051GEZZ
SW5010	SWITCH, COUNTER CLEA	4822 276 12265	QSW-K0051GEZZ
SW5011	SWITCH, DISPLAY	4822 276 12265	QSW-K0051GEZZ
SW5012	SWITCH, TIMER	4822 276 12265	QSW-K0051GEZZ
SW5015	SWITCH, CHANEL DOWN	4822 276 12265	QSW-K0051GEZZ
SW5016	SWITCH, CHANEL UP	4822 276 12265	QSW-K0051GEZZ
SW5021	SWITCH, MINUTE (-)	4822 276 12265	QSW-K0051GEZZ
SW5023	SWITCH, MINUTE (+)	4822 276 12265	QSW-K0051GEZZ
SW5031	SWITCH, CHANNEL PRES	4822 276 12266	QSW-S0149GEZZ
SW5033	ALL CLEAR	4822 276 12265	QSW-K0051GEZZ
TA .	PLUG (7 PIN)	4822 267 50787	QPLGN07800EZZ
TE .	PLUG (5 PIN)	4822 265 40499	QPLGN0580GEZZ
X 5021	CRYSTAL OSC	4822 242 70857	RCR580006GEZZ
10 .	REMOTE CONTR REC	4822 218 30397	RRMCU0035GEZZ

**PWB-X HEAD AMPLIFIER CIRCUIT****TRANSISTORS**

Q 301	2SD655(D.E)	4822 130 41607	VS2SD655-DE1E
Q 302	SWITCHING, PLAYBACK	4822 130 41607	VS2SD655-DE1E
Q 303	2SA812	4822 130 42463	VS2SA812-M51E
Q 304	2SA812	4822 130 42463	VS2SA812-M51E
Q 305	2SC1623	4822 130 42466	VS2SC1623L51E
Q 306	2SC1623	4822 130 42466	VS2SC1623L51E
Q 307	SWITCHING, RECORD	4822 130 42466	VS2SC1623L51E
Q 308	SWITCHING, RECORD	4822 130 42466	VS2SC1623L51E
Q 309	FM EQUALIZER	4822 130 41389	VS2SC1923-01E
Q 311	AMPLIFIER, RECORD	4822 130 41505	VS2SA1015Y/1E
Q 312	AMPLIFIER, RECORD	4822 130 41947	VS2SC1815YM-1
Q 313	AMPLIFIER, RECORD	4822 130 42466	VS2SC1623L51E
Q 314	AMPLIFIER, RECORD	4822 130 42466	VS2SC1623L51E
Q 315	DTC144	4822 130 60146	VSDTC144EK/-1

**INTEGRATED CIRCUIT**

IC 301	AMPLIFIER, PLAYBACK	4822 209 72089	VHIAN3311K/-1
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**COILS**

L 301	27UH	4822 157 10254	VP-XF270K0000
L 302	33UH	4822 157 53305	VP-XF330J0000
L 303	18UH	4822 157 53278	VP-XF180K0000
L 305	226UH	4822 157 10276	VP-XF221K0000

**CAPACITORS**

C 329	0.1UF, 50V POLY	4822 121 51246	VCIFYHA1HA104J
C 350	0.1UF, 50V POLY	4822 121 51246	VCIFYHA1HA104J

**MISCELLANEOUS**

	PLUG 2 PIN (TP301, 30	4822 265 30331	QPLGN0229TAZZ
	SOCKET 2 PIN (2A)	4822 267 40744	QSOCN0696GEZZ
IFB 301	FILTER	4822 157 53472	RBLN-0013GEZZ
IFB 302	FILTER	4822 157 53472	RBLN-0013GEZZ
IFB 303	FILTER	4822 157 53472	RBLN-0013GEZZ
IFB 304	FILTER	4822 157 53472	RBLN-0013GEZZ
2A .	SOCKET 6PIN	4822 267 50807	QSOCN0696GEZZ



## PWB-P POWER CIRCUIT

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
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## TRANSISTORS

Q 901	(2SD1565)	4822 130 60911	95KUAD0088AZ
Q 902	(2SA988)	4822 130 42386	95KUAA0028AZ
Q 903	(2SA1013)	4822 130 60586	95KUAA0069AZ

## INTEGRATED CIRCUITS

IC 901	PQ09R05	4822 209 72481	95KUCB0029AZ
IC 902	UPC574J	4822 209 82462	95KUCZ0041ZZ

## DIODES

D 901	DIODE (11E1)	4822 130 80205	95KUBC0112AZ
D 902	DIODE (11E1)	4822 130 80205	95KUBC0112AZ
D 903	DIODE (11E1)	4822 130 80205	95KUBC0112AZ
D 904	DIODE (11E1)	4822 130 80205	95KUBC0112AZ
D 905	Z DIODE (RD18ESB)	4822 130 80582	95KUBD0430AZ
D 906	DIODE (SV10)	4822 130 80599	95KUBC0110AZ
D 907	DIODE (SV10)	4822 130 80599	95KUBC0110AZ
D 908	DIODE (SV10)	4822 130 80599	95KUBC0110AZ
D 909	DIODE (SV10)	4822 130 80599	95KUBC0110AZ
D 910	DIODE (11E2)	4822 130 80579	95KUBC0112BZ
D 911	Z DIODE (RD6.2ESB)	4822 130 80587	95KUBD0438AZ
D 912	DIODE (11E2)	4822 130 80579	95KUBC0112BZ
D 913	Z DIODE (RD33ESB)	4822 130 80586	95KUBD0431AZ

## CAPACITORS

C 902	2200UF, 35V, ELECTR	4822 124 41432	95KUGAE222EP
C 905	2200UF, 25V, ELECTR	4822 124 41077	95KUGAD222BU

## TRANSFORMER

T 901		4822 146 30657	95K116030364
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## RESISTOR

R 901	12M OHM, 1/2W,	4822 116 53279	95KUEZ0085ZZ
R 909	8.20HM, PTC	4822 115 10087	95KUZZ0033ZZ
R 919	0.270HM, 1/4WFUSE RES	4822 116 80487	95KUEBBR27AE

## MISCELLANEOUS

	AC CORD	4822 321 10505	QACCZ4013GEZZ
F 901	FUSE T2A/250V	4822 253 30025	95KPJC0178ZZ
F 902	FUSE T2A/250V	4822 253 30025	95KPJC0178ZZ
OA .	PLUG (3 PIN)	4822 265 30516	95KPKZ0194ZZ
PA .	PLUG (10 PIN)	4822 267 50795	95KPKZ0530ZZ

## OPTICAL REMOTE CONTROL

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
<b>MECHANICAL PARTS</b>			
	CABINET A ASS'Y	4822 432 30295	DCABA0293AASA
	CABINET TOP	4822 432 30308	DCABA0116AASA
	CABINET B ASS'Y	4822 432 30296	GCABB0150AASA
	BATTERY COVER	4822 443 62197	GCOVH0052PASA
	RUBBER KEY TERMINAL	4822 492 42201	MSPRP0308PASA
	RADIATION FILTER	4822 242 71848	PFILW0098PASA
	SCREW	4822 502 12927	XYBSF20P08000
	BATTERY TERMINAL +	4822 290 80777	QTANZ0151PAFN
	BATTERY TERMINAL -	4822 290 80778	QTANZ0152PAZZ
	BATTERY TERMINAL +	4822 290 80776	QTANZ0096PAZZ
<b>ELECTRICAL PARTS</b>			
CF8001	CER OSC (CBS429PB2)	4822 157 10205	RFILF0019PAZZ
D 8001	LED (SLR-938C)	4822 130 80421	RH-PX0142PAZZ
D 8002	DIODE (1S1555)	4822 130 31031	VHD1S1555//1A
IC8001	IC (SAA3006T)	4822 209 72013	RH-IX0730PAZZ
OR	DIODE (OR)(GL-531)	4822 130 80752	RH-PX0141PAZZ
Q 8001	TRANSISTOR (2SC1815Y)	4822 130 41947	VS2SC1815Y/1E
Q 8002	TRANSISTOR (2SC2120Y)	4822 130 42292	VS2SC2120Y/1A
<b>MECHANISM CHASSIS PARTS</b>			
1	LED SENSOR	4822 130 33016	RH-PX0090GE01
3	UPPER DRUM ASSY	4822 691 20452	DDRMU0004HE13
4	V-BASE	4822 464 50704	PGIDC0035GEFW
5	PINCH ROL. REL. PL. ASS	4822 403 52514	LANGF9264GEZZ
6	DRUM UNIT ASSY	4822 361 21087	DDRML0008HE05
7	MECH. CONTR. BRACKET	4822 403 53415	LANGF9337GEZZ
11	TENSION BAND ASS'Y	4822 358 20274	PBRKZ0003GEZZ
13	GUIDE PLATE ASS'Y	4822 464 50467	LCHSS0011GEZZ
14	A/C HEAD PLATE	4822 464 50714	MARMM0069GEZZ
15	LOADING MOT. HOLD	4822 464 50476	LHLDZ1435GEZZ
18	POLE BASE A ASS'Y	4822 464 50483	LPOLM0022GEZZ
19	POLE BASE B ASS'Y	4822 464 50484	LPOLM0023GEZZ
20	LOADING ARM A ASS'Y	4822 403 52518	MARMM0052GEZZ
21	LOADING ARM B ASS'Y	4822 403 52519	MARMM0053GEZZ
22	TENSION ARM ASS'Y	4822 403 52521	MARMM0054GEZZ
23	FULL ERASE HEAD ARM	4822 403 53234	MARMP0035GEZZ
24	PINCH ROL. LEV ASS	4822 403 52863	MLEVFP0229GEZZ
25	BRAKE DRIVE LEV ASS	4822 403 52525	MLEVFP0225GEZZ
27	AUX BRAKE LEVER	4822 403 52532	MLEVFP0083GEZZ
28	TORQUE CHANGE LEVER	4822 403 52533	MLEVFP0084GEZZ
29	TAKE-UP BRAKE LEVER	4822 403 52534	MLEVFP0085GEZZ
30	SUPPLY BRAKE LEVER	4822 403 52535	MLEVFP0086GEZZ
31	TENSION ADJ. LEVER	4822 403 52536	MLEVFP0087GEZZ
32	TENSION RELEASE LEV	4822 403 53324	MLEVFP0123GEZZ
33	SHIFTER ASSY (A)	4822 403 52539	MSLIF0023GEZZ
34	SHIFTER ASSY (B)	4822 403 52541	MSLIF0024GEZZ
35	A/C HEAD SPRING	4822 492 41398	MSPRC0006GEFJ
37	A/C HEAD ARM SPRING	4822 492 41383	MSPRC0084GEFJ
39	BRAKE LOCK SPRING	4822 492 41385	MSPRC0086GEFJ
40	PINCH PRESS SPRING	4822 492 41393	MSPR0216GEFJ
41	FE HEAD ARM SPRING	4822 492 41394	MSPR0217GEFJ
42	TENSION ARM SPRING	4822 492 41395	MSPR0218GEFJ
43	AUX BRAKE SPRING	4822 492 42207	MSPR0241GEFJ
44	LOAD GEAR RECIPR SPR	4822 492 41397	MSPR0220GEFJ
45	MAIN BRAKE SPRING	4822 492 41398	MSPR0221GEFJ

POSNR	DESCRIPTION	ORDERING	CODE	FACTORY CODE
47	REEL BELT	4822	358 30839	NBLTK0055GE00
48	LOADING BELT	4822	358 30507	NBLTK0039GE00
51	SUPPLY REEL DISK ASS	4822	528 81066	NDAIV1032GEZZ
52	TAKE-UP REEL DISK AS	4822	528 81195	NDAIV1038GEZZ
54	RELAY GEAR (B)	4822	522 31973	NGERH1072GEZZ
55	BRAKE CAM	4822	522 32419	NGERH1109GEZZ
56	MASTER CAM	4822	522 32418	NGERH1108GEZZ
57	LOADING GEAR (A) ASS	4822	522 31974	NGERH1075GEZZ
58	LOADING GEAR(B) ASSY	4822	522 31975	NGERH1076GEZZ
59	SEGMENT GEAR ASS	4822	522 32325	NGERH3032GEZZ
60	SEGMENT GEAR ROLLER	4822	528 90667	NR0LM0016GEFW
61	LOADING MOTOR PULLEY	4822	528 80995	NPLYV0036GEZZ
63	LOADING BLOCK ASS	4822	528 81068	NPLYV0102GEZZ
64	REEL DRIVE UNIT	4822	528 70504	NPLYV0111GEZZ
65	SUPPLY IMP ROLLER	4822	528 81045	NR0LP0046GEZZ
66	GUIDE ROLLER ASS	4822	528 90549	NR0LP0047GEZZ
67	PINCH ROLLER ASS	4822	528 90551	NR0LR0013GEZZ
68	SUPP.IMP.SUB SHAFT	4822	535 92448	PGIDP0018GEFW
69	BRAKE LOCK SHAFT	4822	535 91922	NSFTZ0026GEFD
73	RETAINING GUIDE	4822	532 81084	PGIDP0015GEFW
73	RETAINING GUIDE	4822	532 21317	PGIDP0019GEFW
75	SUPPLY IMP.FLANGE	4822	466 92204	PGIDH0029GEZZ
78	EARTH BRUSH ASS	4822	464 50599	QBRSK0017GEZZ
82	PLUG 2PIN (NL)	4822	265 30331	QPLGN0229TAZZ
83	PLUG 4PIN(NF)	4822	265 30554	QPLGN0480GEZZ
84	PLUG, 8PIN (NT)	4822	265 30573	QPLGN0880GEZZ
87	A/C HEAD PWB	4822	214 32209	QPWBS2627GEZZ
88	REEL SENSOR PWB	4822	214 32208	QPWBF2825GEZZ
89	LOAD MOD DEWSENS PWB	4822	214 32001	QPWBF2583GEZZ
90	FULL ERASE HEAD PWB	4822	214 31999	QPWBF2582GEZZ
91	SHIFTER SWITCH	4822	277 30735	QSW-F0024GEZZ
92	CAM SWITCH	4822	273 60182	QSW-R0021GEZZ
93	DEW SENSOR	4822	403 52542	RDTCR0018GEZZ
95	CASSETTE LED ASSY	4822	130 80798	RH-PX0154GEZZ
96	FULL ERASE HEAD	4822	249 40242	RHEDT0023GEZZ
97	AC HEAD ASSY	4822	249 10363	RHEDU0065GEZZ
98	INTEGRATED CIRCUIT	4822	209 72578	VHIM5F7805L-1
99	LOADING MOTOR	4822	361 60449	RMOTM1042GEZZ
100	DD MOTOR ASSY	4822	361 60462	RMOTP1092GEZZ
101	CAPSTAN DD MOTORASSY	4822	361 60465	RMOTN2018GEZZ
102	BRAKE SOLENOID	4822	528 70468	RPLU-0075GEZZ
104	1000PF, 20%, 50V	4822	122 32732	VCKYAT1HD102M
105	47KOHM, 5%, 1/4W, (8002	4822	116 52284	VRD-RA2EE473J
106	2.2KOHM, 5%, 1/4W,	4822	116 52256	VRD-RA2EE222J
107	220 OHM, 5%, 1/4W	4822	116 52215	VRD-RA2EE221J
108	ADJUSTING NUT	4822	505 10786	LX-NZ3019GEZZ
109	REVERSE GUIDE LEV.	4822	403 53303	MLEVC0020GEZZ
110	REVERSE GUIDE SPRING	4822	492 41386	MSPRC0088GEFJ
112	UNIV BRAKE LEVER	4822	403 10285	MLEVP0101GEZZ
114	UNIV BRAKE SPRING	4822	492 42206	MSPRT0240GEFJ
116	1.2KOHM, 5%, 1/4W	4822	116 52207	VRD-RA2EE122J
117	1.5KOHM, 5%, 1/4W	4822	116 80347	VRD-RA2EE152J
118	SOCKET 7 PIN	4822	267 50781	QSOEN0795GEZZ
120	D.D. BRAKE SOLENOID	4822	528 70505	RPLU-0080GEZZ
121	D.D. BRAKE LEVER ASS	4822	403 10286	NLEVP0102GEZZ
122	BRAKE MOUNT PLATE	4822	403 53416	LANGT9106GEZZ
123	RELEASE SPRING	4822	492 42203	MSPRC0116GEFJ
124	D.D. BRAKE SPRING	4822	492 42205	MSPRT0239GEFJ
128	SPACER	4822	532 52008	PSPAX0011GEZZ
129	HEATER BRACKET	4822	403 53302	LANGT9105GEFW
130	V.H.PWB	4822	214 32121	QPWBF1288GEZZ

## CASSETTE HOUSING CONTROL PARTS

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
	CASSETTE HOUSING ASS	4822 464 50708	CHLDX3039GE98
1	CASSETTE COVER	4822 443 62205	HDECQ04350ESA
2	TOP PLATE	4822 403 52511	LANGF9251GEFW
3	MOTOR ANGLE ASS	4822 403 53232	LANGF9305GEZZ
4	FRAME (RIGHT)	4822 464 50472	LHLDX1005GE00
5	FRAME (LEFT)	4822 464 50473	LHLDX1006GE00
6	SLIDER ASS'Y	4822 464 50475	LHLDX3029GEZZ
7	DRIVE WASHER	4822 530 80272	MARMM0051GEFW
8	DRIVE ARM (RIGHT)	4822 403 52522	MARMP0029GEZZ
9	DRIVE ARM (LEFT)	4822 403 52523	MARMP0030GEZZ
10	CASSETTE COVER ARM	4822 403 52816	MARMP0031GEZZ
11	TIMING LEVER	4822 403 52528	MLEVP0080GEZZ
12	COVER OPEN LEVER	4822 403 52529	MLEVP0081GEZZ
14	OPEN LEVER SPRING	4822 492 41388	MSPRD0066GEFJ
15	DRIVE SPRING	4822 492 41392	MSPRT0215GEFJ
16	DRIVE GEAR (RIGHT)	4822 522 32386	NGERH1093GEZZ
17	DRIVE GEAR (LEFT)	4822 522 31971	NGERH1070GEZZ
18	PHASE GEAR	4822 522 31972	NGERH1071GEZZ
19	WORM GEAR	4822 522 32365	NGERH1018GEZZ
20	WORMWHEEL GEAR	4822 522 32387	NGERW1026GEZZ
21	MOTOR PULLEY	4822 528 70467	NPLYV0100GEZZ
22	MAIN SHAFT	4822 535 91928	NSFTL0442GEFD
23	DOWN GUIDE	4822 464 50489	PGIDM0042GE00
24	WORM ANTI-VIBR. RUBBE	4822 462 71342	PGUMM0028GEZZ
26	SOCKET 9 PIN (MA)	4822 265 40691	QSOCN0921REZZ
27	RELAY PWB	4822 466 10558	QPWBF2447GEZZ
28	END SENSOR P.W.B.	4822 466 10515	QPWBF1553GEZZ
29	CASSETTE SWITCH	4822 276 11594	QSW-F0021GEZZ
30	MODE SWITCH	4822 276 11595	QSW-F0022GEZZ
31	MIST ERAS PREV SWITC	4822 276 11596	QSW-F0023GEZZ
32	1.2KOHM 1/8W CARBON	4822 116 52207	VRD-RA2BE122J
33	PHOTO-TRANSISTOR	4822 130 32491	RR-PX0053GEZZ
34	CASSETTE MOTOR	4822 361 60459	RMOTM1040GEZZ
35	CASSETTE COVER SPRIN	4822 492 41971	MSPRD0068GEFJ
36	RESISTOR (15KOHM)	4822 116 52693	VRD-RA2EE153J
37	TRANSISTOR	4822 130 42277	VS2SA937-Q/-1
38	22KOHM, 1/4W CARBON	4822 116 53278	VRD-RA2EE223J
39	1.5KOHM, 1/8W CARBON	4822 116 52243	VRD-RA2BE152J
40	RESISTOR 1.5KOHM	4822 116 52243	VRD-RA2BE1527
40	0.047UF, 25V, DISC	4822 124 21916	VCTYPA1EX473M
41	PAN HEAD SCREW	4822 503 11003	XBPSD30P04J00
43	POLY SLIDER WASHER	4822 532 11136	XWJ231-05054
44	SCREW (C3P46S)	4822 503 11007	XHPS330P06W50
45	WASHER 4.2W-7.0-0.5	4822 502 12986	LX-WZ1020GE00
46	B-TIGHT SCREW	4822 502 12926	LX-HZ3037GEFD
442	B-TIGHT SCREW	4822 503 11004	XJPSD30P06W50
6-1	HOLDER (RIGHT)	4822 464 50469	LHLDX1003BE00
6-2	HOLDER (LEFT)	4822 464 50471	LHLDX1004BE00
6-3	SLIDER	4822 464 50474	LHLDX3029GEFW
6-4	LOCK RELEASE LEV ASS	4822 464 50485	MARMP0028GEZZ
6-5	CASSETTE SPRING	4822 492 41391	MSPRP0097BEFJ

## FIXING MATERIAL

POSNR	DESCRIPTION	ORDERING CODE	FACTORY CODE
	WASHER	4822 532 11134	XWHJZ31-01054
	WASHER	4822 532 11243	LX-WZ1017GE00
	WASHER	4822 532 11244	LX-WZ1018GE00
	WASHER	4822 532 11245	LX-WZ1019GE00
89	LOAD.MOT./DEW SENS.	4822 214 32001	QPWBF2583GEZZ
301	SC HEAD SCREW	4822 502 11728	LX-BZ3018GEZZ
302	SCREW	4822 502 11842	LX-BZ3039GEFN
303	SCREW	4822 502 12678	XBPSD26P14J00
304	SCREW	4822 502 11844	LX-BZ3049GEFD
305	SCREW	4822 502 11733	LX-HZ3002GEFD
306	SCREW	4822 502 11734	LX-HZ3008GEFD
307	SCREW	4822 502 12052	LX-HZ3026GEFD
308	SCREW	4822 502 12053	LX-HZ3027GEFD
309	NUT	4822 505 10733	LX-NZ3013GEFW
310	NUT	4822 505 10787	LX-NZ3031GEFW
311	NUT	4822 505 10739	LX-NZ3016GEFD
312	WASHER	4822 530 80249	LX-WZ1001GE00
313	WASHER	4822 532 11239	LX-WZ1003GE00
315	WASHER	4822 530 80261	LX-WZ1006GE00
317	WASHER	4822 532 11241	LX-WZ1015GE00
318	FIXING SCREW	4822 502 11738	LX-XZ3001GEFP
321	SCREW	4822 502 11744	XBPSD20P03000
322	SCREW	4822 502 11753	XBPSD26P04J00
323	SCREW	4822 503 11003	XBPSD30P04J00
325	SCREW	4822 502 11755	XBPSD30P05J00
327	SCREW	4822 502 11761	XBPSD30P08J00
328	SCREW	4822 502 11762	XBPSD30P08000
331	SCREW	4822 502 11774	XHPSD30P06WS0
332	SCREW	4822 502 11783	XHPSD30P08WS0
334	SCREW	4822 503 11007	XHPSD30P06WS0
337	SCREW	4822 503 11004	XJPSD30P06WS0
338	NUT	4822 505 10736	XNESD30-02000
339	E RING	4822 532 11127	XRRESJ30-06000
342	WASHER	4822 532 11136	XWHJZ31-05054
350	SCREW	4822 502 12051	LX-BZ3065GEFD
352	SCREW	4822 502 12925	LX-HZ3036GEFD
353	E-RING	4822 530 80491	XRRES712P03000
354	SCREW	4822 502 11746	XBPSD20P05J00
355	SCREW	4822 502 11849	XHPSD26P04000
356	E RING	4822 530 70369	XRRESJ12P03000